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JC13 Rec'd PCT/PTC 29 OCT 2001

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Abstract

A current meter sensor is disclosed which is based on the principle of surface field measurement. The current meter sensor comprises at least two Hall sensors (**1a, 1b**) provided on a conductor (**2**). The Hall sensors (**1a, 1b**) are arranged such that they detect a magnetic field produced by a current flowing through the conductor (**2**) to equal amounts as well as an interference field to equal amounts, and such that they detect either the magnetic field or the interference field with respectively different signs. In accordance therewith, the measured value of the current is increased either by a subtraction or an addition, however, external interfering influences caused by an interference field are eliminated.

(Fig. 2)

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